

# Safety Data Sheet

Revision date: May 4<sup>th</sup>, 2015

Version: E

SDS number: 10065019

## 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

### 1.1. Product identifier:

Product Name: iPlate Cleaner

Product Code: 29822

### 1.2. Relevant identified uses of the substance or mixture and uses advised against:

#### Identified uses:

For use as a plate cleaner in the lithographic printing industry. Plate cleaner.

#### Uses advised against:

No specific uses advised against are identified.

### 1.3. Details of the supplier of the safety data sheet:

Manufacturer: Glunz & Jensen A/S  
Selandia Park 1  
DK - 4100 Ringsted  
Denmark

Phone: +45 5768 8181

Fax: +45 5768 8340

E-mail: gjhq@glunz-jensen.com

### 1.4 Emergency

**phone number:** For Chemical Emergency Spill Leak Fire Exposure or Accident Call  
CHEMTREC day or night: + 1 800 424 9300 (US and Canada)

## 2. HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture:

#### Classification (EC 1272/2008):

Physical and chemical hazards: Not classified.

Human health: Skin Irrit. 2 - H315.

Environment: Aquatic Chronic 3 - H412.

#### Classification (1999/45/EEC):

Xi;R38, R52/53.

The full text for all risk phrases and hazard statements are displayed in section 16.

#### Human health

The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals in contact with skin. Prolonged skin contact may cause redness and irritation.

#### Environment

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

## **2.2 Label elements:**

### **Contains:**

benzisothiazolinone

### **Detergent labelling:**

15 - < 30%      aliphatic hydrocarbons  
< 5%              phosphates  
                      anionic surfactants  
contains         benzisothiazolinone

### **Label in accordance with EC 1272/2008:**



### **Signal word:**

Warning.

### **Hazard statements:**

H315 - Causes skin irritation.

H412 - Harmful to aquatic life with long lasting effects.

### **Precautionary statements:**

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P302+352 - IF ON SKIN: Wash with plenty of soap and water.

P332+313 - If skin irritation occurs; Get medical advice/attention.

P501 - Dispose of contents/container in accordance with national regulations.

### **Supplementary precautionary statements:**

P261 - Avoid breathing vapour/spray.

P321 - Specific treatment (see medical advice on this label).

P362 - Take off contaminated clothing and wash before reuse.

### **Supplement label information:**

EUH208 - Contains 1,2 BENZISOTHIAZOL-3(2H)-ONE. May produce an allergic reaction.

## **2.3 Other hazards:**

Not classified as PBT/vPvB by current EU criteria.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Mixtures:

Name	EC No.	CAS No.	Content	Classification EC 1272/2008	Classification 67/548/EEC
1,2-Benzisothiazol-3(2H)-one	220-120-9	2634-33-5	< 1	Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400	Xn;R22 R43 Xi;R38,R41 N;R50
Benzene, 1,1'-oxybis-,tetrapropylene derivs., sulfonated, sodium salts		119345-04-9	< 1	Eye Dam. 1 - H318 Aquatic Chronic 2 - H411	Xi; R41 N; R51/53
Citric Acid	201-069-1	77-92-9	1 - 5%	Eye Irrit. 2 - H319	Xi; R36
Solvent naphtha (petroleum), medium aliph.; straight run kerosine	265-191-7	64742-88-7	10 - 30%	Flam. Liq. 3 - H226 Asp. Tox. 1 - H304	Xn; R65 R10
Phosphoric Acid ...%	231-633-2	7664-38-2	1 - 5%	Skin Corr. 1B - H314	C; R34
Magnesium Nitrate	233-826-7	10377-60-3	1 - 5%	Ox. Sol. 2 - H272 Eye Irrit. 2 - H319	Xi;R36 O;R8

The full text for all risk phrases and hazard statements are displayed in section 16.

### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures:

**Inhalation:**

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

**Ingestion:**

DO NOT INDUCE VOMITING! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately!

**Skin contact:**

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

**Eye contact:**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

#### 4.2 Most important symptoms and effects, both acute and delayed:

**Inhalation:**

Upper respiratory irritation. Drowsiness, dizziness, disorientation, vertigo.

**Ingestion:**

May cause discomfort if swallowed.

**Skin contact:**

Prolonged contact may cause redness, irritation and dry skin. Mild dermatitis, allergic skin rash.

**Eye contact:**

Prolonged contact may cause redness and/or tearing.

**4.3 Indication of any immediate medical attention and special treatment needed:**

No specific first aid measures noted.

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## 5. FIREFIGHTING MEASURES

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**5.1 Extinguishing media:****Extinguishing media:**

The product is non-combustible. Use: carbon dioxide (CO<sub>2</sub>), alcohol resistant foam, dry chemicals, sand, dolomite etc.

**Unsuitable extinguishing media:**

DO NOT use water if avoidable.

**5.2 Special hazards arising from the substance or mixture:****Hazardous combustion products:**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**Unusual Fire & Explosion Hazards:**

No unusual fire or explosion hazards noted.

**5.3 Advice for firefighters:****Special fire fighting procedures:**

Avoid breathing fire vapours. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

**Protective equipment for fire-fighters:**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

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## 6. ACCIDENTAL RELEASE MEASURES

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**6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective clothing as described in section 8 of this safety data sheet.

**6.2 Environmental precautions:**

Do not discharge onto the ground or into water courses.

**6.3 Methods and material for containment and cleaning up:**

Avoid contact with skin or inhalation of spillage, dust or vapour. Absorb in vermiculite, dry sand or earth and place into containers. Runoff or release to sewer, waterway or ground is forbidden.

**6.4 Reference to other sections:**

For waste disposal, see section 13.

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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling:

Avoid spilling, skin and eye contact.

### 7.2 Conditions for safe storage, including any incompatibilities:

Store in tightly closed original container in a dry, cool and well-ventilated place.

### 7.3 Specific end use(s):

For use as a plate cleaner in lithographic printing industry.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters:

Name	Std	TWA - 8 Hrs		STEL - 15 Min		Notes
phosphoric acid ...%	WEL		1 mg/m <sup>3</sup>		2 mg/m <sup>3</sup>	
solvent naphtha (petroleum), medium aliph.; straight run kerosine	ACGIH		200 mg/m <sup>3</sup>			

Ingredient comments:

WEL = Workplace Exposure Limits

### 8.2 Exposure controls:

#### Protective equipment:



#### Engineering measures:

Provide adequate general and local exhaust ventilation.

#### Respiratory equipment:

Respiratory protection must be used if air contamination exceeds acceptable level.

#### Hand protection:

Use protective gloves made of: polyvinyl alcohol (PVA), viton rubber (fluor rubber).

#### Eye protection:

Use approved safety goggles or face shield.

#### Other protection:

Wear appropriate clothing to prevent any possibility of skin contact.

#### Hygiene measures:

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. DO NOT SMOKE IN WORK AREA!

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties:

<b>Appearance:</b>	Viscous emulsion.
<b>Colour:</b>	Tan.
<b>Odour:</b>	Hydrocarbon.
<b>Solubility:</b>	Miscible with water.
<b>Initial boiling point (°C) and boiling range:</b>	100°C at 760 mm Hg.
<b>Melting point (°C):</b>	Not applicable.
<b>Relative density:</b>	1.02 at 20°C.
<b>Bulk density:</b>	Not applicable.
<b>Vapour density (air = 1):</b>	> 1.
<b>Vapour pressure:</b>	No information available.
<b>Evaporation rate:</b>	No information available.
<b>pH value, conc. solution:</b>	1 - 2.
<b>Viscosity:</b>	No information available. >20.5mm <sup>2</sup> /s @ 40oC
<b>Solubility value (G/100G H<sub>2</sub>O at 20°C):</b>	No information available.
<b>Decomposition temperature (°C):</b>	No information available.
<b>Odour threshold, lower:</b>	No information available.
<b>Odour threshold, upper:</b>	No information available.
<b>Flash point:</b>	> 40°C TCC (tag closed cup).
<b>Auto ignition temperature (°C):</b>	No information available.
<b>Flammability limit - lower (%):</b>	No information available.
<b>Flammability limit - upper (%):</b>	No information available.
<b>Partition coefficient (n-octanol/water):</b>	No information available.
<b>Oxidising properties:</b>	Not applicable.
<b>Comments:</b>	Does not support combustion at 75°C (ISO 9038). Information declared as "Not available" or "Not applicable" is not considered to be justified for enabling proper control measures to be taken.

### 9.2 Other information:

Volatile organic compound (VOC) 199 g/l.

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## 10. STABILITY AND REACTIVITY

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**10.1 Reactivity:**

No specific reactivity hazard associated with this product.

**10.2 Chemical stability:**

Stable under normal temperature conditions.

**10.3 Possibility of hazardous reactions:**

Hazardous polymerisation - will not polymerise.

**10.4 Conditions to avoid:**

Avoid heat.

**10.5 Incompatible materials:**

Materials to avoid - strong oxidising substances, strong reducing agents, strong acids, strong alkalis.

**10.6 Hazardous decomposition products:**

Fire creates vapours/gases/fumes of - carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), nitrous gases (NO<sub>x</sub>), sulphurous gases (SO<sub>x</sub>).

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## 11. TOXICOLOGICAL INFORMATION

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**11.1 Information on toxicological effects:****Inhalation:**

Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication. Vapour may irritate respiratory system or lungs.

**Ingestion:**

May cause discomfort if swallowed.

**Skin contact:**

May cause sensitisation by skin contact. Irritating to skin.

**Eye contact:**

Splashes may irritate.

**Route of entry:**

Skin and/or eye contact, inhalation.

**Medical symptoms:**

Irritation of eyes and mucous membranes. Skin irritation. Drowsiness, dizziness, disorientation, vertigo.

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## 12. ECOLOGICAL INFORMATION

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**Ecotoxicity:**

Not known. The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

**12.1 Toxicity:****Acute toxicity - fish:**

Not known.

**Acute toxicity - aquatic invertebrates:**

Not known.

**Acute toxicity - aquatic plants:**

Not known.

**Ecological information on ingredients:**

**Solvent naphtha (petroleum), medium aliph.; straight run kerosine (CAS: 64742-88-7)**

LC 50, 96 Hrs. Fish mg/l

2 - 5

EC 50, 48 Hrs. Daphnia mg/l

1.4

IC 50, 72 Hrs. Algae mg/l

1 - 3

**12.2 Persistence and degradability:****Degradability:**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. There are no data on the degradability of this product.

**12.3 Bioaccumulative potential:****Bioaccumulative potential:**

No data available on bioaccumulation.

**Partition coefficient:**

No information available.

**12.4 Mobility in soil:****Mobility:**

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. The product is miscible with water. May spread in water systems.

**12.5 Results of PBT and vPvB assessment:**

Not classified as PBT/vPvB by current EU criteria.



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**12.6 Other adverse effects:**

Not known.

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**13. DISPOSAL CONSIDERATIONS**

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***General information:***

When handling waste, consideration should be to the safety precautions applying to handling of the product.

**13.1 Waste treatment methods:**

Dispose of waste and residues in accordance with local authority requirements.

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**14. TRANSPORT INFORMATION**

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***General:***

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**14.1 UN number:**

Not applicable.

**14.2 UN proper shipping name:**

Not applicable.

**14.3 Transport hazard class(es):**

Not applicable.

Transport labels - no transport warning sign required.

**14.4 Packing group:**

Not applicable.

**14.5 Environmental hazards:**

**Environmentally Hazardous Substance/Marine Pollutant:**

No.

**14.6 Special precautions for user:**

Not applicable.

**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not applicable.

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## 15. REGULATORY INFORMATION

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### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

**Guidance notes:**

Workplace Exposure Limits EH40.

**EU Legislation:**

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006 with amendments.

**Water hazard classification:**

WGK 2.

**15.2 Chemical Safety Assessment:**

No chemical safety assessment has been carried out.

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**16. OTHER INFORMATION**

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**Information sources:** Material Safety Data Sheet, miscellaneous manufacturers.

**Prepared by:** Glunz & Jensen external documentation department.

**Risk phrases in full:**

R8 - Contact with combustible material may cause fire.

R10 - Flammable.

R22 - Harmful if swallowed.

R34 - Causes burns.

R36 - Irritating to eyes.

R38 - Irritating to skin.

R41 - Risk of serious damage to eyes.

R43 - May cause sensitisation by skin contact.

R50 - Very toxic to aquatic organisms.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 - Harmful: may cause lung damage if swallowed.

R67- Vapours may cause drowsiness and dizziness.

**Hazard statements in full:**

H226 - Flammable liquid and vapour.

H272 - May intensify fire; oxidiser.

H290 - May be corrosive to metals.

H302 - Harmful if swallowed.

H304 - May be fatal if swallowed and enters airways.

H314 - Causes severe skin burns and eye damage.

H315 - Cause skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness and dizziness.

H400 - Very toxic to aquatic life.

H411 - Toxic to aquatic life with long lasting effects.

H412 - Harmfull to aquatic life with long lasting effects.

**Key literature references and sources for data:**

[www.ChemADVISOR.com](http://www.ChemADVISOR.com)

**Revison Date:** 24.06.2014

**Revison Note:** new MSDS format

**DISCLAIMER**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.